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## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

(i) APPLICANT: McBride, William  
Dean, Richard T.

(ii) TITLE OF INVENTION: Monoamine, Diamide, Thiol-containing  
Metal Chelating Agents

(iii) NUMBER OF SEQUENCES: 9

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Banner & Allegretti, Ltd.  
(B) STREET: 10 South Wacker Drive Suite 3000  
(C) CITY: Chicago  
(D) STATE: Illinois  
(E) COUNTRY: USA  
(F) ZIP: 60606

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/253,973  
(B) FILING DATE: 03-JUN-1995  
(C) CLASSIFICATION:

## (vii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Noonan, Kevin E  
(B) REGISTRATION NUMBER: 35,303  
(C) REFERENCE/DOCKET NUMBER: 91,875-J

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 312 715 1000  
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(C) TELEX: 910-221-5317

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

## (ix) FEATURE:

(A) NAME/KEY: Modified-site  
(B) LOCATION: 19  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an  
amide"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
1 5 10 15

50

Tyr Leu Ile

## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 19 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
1                      5                      10                      15

Tyr Leu Ile

## (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 6 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Gly Gly Cys Gly Leu Phe  
1                      5

## (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 19 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site  
(B) LOCATION: 19  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an  
amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Arg Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val  
1                      5                      10                      15

Tyr Leu Ile

## (2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Leu Glu Ser

(1) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 30 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(1x) FEATURE:

(A) NAME/KEY: Modified-site  
(B) LOCATION: 30  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an amide"

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Ser Leu Arg Pro Ala Pro Pro Pro Ile Ser Gly Gly Tyr Arg  
20 25 30

(2) INFORMATION FOR SEQ ID NO:7:

(1) **SEQUENCE CHARACTERISTICS:**

(A) LENGTH: 14 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

(11) MOLECULE TYPE: peptide

(ix) **FEATURE:**

(A) NAME/KEY: Modified-site  
(B) LOCATION: 14  
(D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an amide"

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Gly Gly Cys Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met  
1 5 10

52

## (2) INFORMATION FOR SEQ ID NO:8:

## (1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 13 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: peptide

## (ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 7
- (D) OTHER INFORMATION: /label= D-Phe  
/note= "The phenylalanine residue is in the D-stereochemical configuration"

## (ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 9
- (D) OTHER INFORMATION: /label= D-Trp  
/note= "The tryptophan residue is in the D-stereochemical configuration"

## (ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 13
- (D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an amide"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Ala Lys Cys Gly Gly Gly Phe Tyr Trp Lys Thr Phe Thr  
1                      5                                      10

## (2) INFORMATION FOR SEQ ID NO:9:

## (1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: peptide

## (ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 8
- (D) OTHER INFORMATION: /label= Amide  
/note= "The carboxyl terminus is modified to an amide"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Gly Gly Cys Phe Val Tyr Leu Ile  
1                      5